Appenddix 1- BoQ

SUMMERY			
No.	**Project**	**Drawing no.**	**Price (USD)**
Part - 5	**DISPATCHER SYSTEM - Material**	**5.4**	**3,212,456.55**
Part - 6	**DISPATCHER SYSTEM - Works**	**5.4**	**860,572.93**
Part - 8	**RDV System**	**5.8.1**	**648,622.08**
		Total USD without VAT	**4,721,651.56**

CRSC INTERNATIONAL CO., LTD. BEOGRAD

Party A (CRSC)

INSTITUT MIHAJLO PUPIN BEOGRAD

Party B (IMP)

PART-5
NOVI SAD - SUBOTICA
BILL OF QUANTITY
BOOK 5.4
LOCAL CABLE NETWORKS NAD DISPATCHER DEVICES

Item	Description	UoM.	Qty	Unit price	TOTAL
				USD	USD
5.4.02	**DISPATCHER DEVICES NOVI SAD - SUBOTICA**				
5.4.02.01	**Central traffic dispatcher Novi Sad - Subotica**				
5.4.02.01.01	**Material**				
5.4.02.01.01.01	Central dispatcher device complete with translators and transformers	pcs.	1	29,397.01	29,397.01
5.4.02.01.01.02	Pulse repeater	pcs.	1	1,782.60	1,782.60
5.4.02.01.01.03	120 push bottons console	pcs.	1	10,512.66	10,512.66
5.4.02.01.01.04	Additional 108 call-respodn push button console		2	11,702.40	23,404.80
5.4.02.02	**Central electric traction dispatcher Novi sad - Indjija and Novi Sad - Subotica**				
5.4.02.02.01	**Материјал**				
5.4.02.02.01.01	45-pushbuttons console	pcs.	1	4,128.10	4,128.10
5.4.02.02.01.02	27-pushbuttons console	pcs.	1	4,052.47	4,052.47
5.4.02.02.01.03	Pulse repeater	pcs.	2	1,782.60	3,565.20
5.4.02.02.01.04	Central dispatcher device complete with translators and transformers	pcs.	2	29,397.01	58,794.02
5.4.02.03	**Station dispatcher device Novi Sad**				
5.4.02.03.01	**Material**				
5.4.02.03.01.01	80-pushbuttons console	pcs.	1	5,379.03	5,379.03
5.4.02.03.01.02	Central deivce for 80- key console, 8 + 12 CB lines , 2 ATA connections 11 LB connections with 8 call selectors	pcs.	1	29,397.01	29,397.01
5.4.02.03.01.03	Optical transmission deviced comprising optical tranceivers (II window - 1.320 nm), AD-Drop multiplexor, AD/DA converters and interfaces	pcs.	2	26,269.64	52,539.28
5.4.02.03.01.04	4-wire command unit	pcs.	2	5,941.96	11,883.92
5.4.02.03.01.05	4-wire selective translator with ca 8 CB connections	pcs.	1	9,947.04	9,947.04
5.4.02.03.01.06	4-wire selective translator with ca 12 CB connections	pcs.	1	12,109.06	12,109.06
5.4.02.03.01.07	2-wire selective translator	pcs.			
5.4.02.03.01.08	4-wire selective translator for electric traction dispatcher	pcs.	2	4,753.56	9,507.12
5.4.02.03.01.09	Computer based 24 channel voice recorder	pcs.	1	30,840.70	30,840.70
5.4.02.03.01.10	Rectifier 230 V/24 V/10 A + sealed accu battery 24 V/120 Ah- poles pd floating potential	pcs.	1	1,876.41	1,876.41
5.4.02.03.01.11	Feeding unit for powering station telephone cabinets (TUS,TIS) - connected to 24 V=	pcs.	1	875.66	875.66
5.4.02.03.01.12	Two-way feeding unit for emote powering of ATB telephone cabinets - connected t0 24 V=	pcs.	2	875.66	1,751.32
5.4.02.03.01.13	Transformer T2 600:1.200 Ω	pcs.	18	99.88	1,797.84
5.4.02.03.01.14	Transformee T3 2.000:5.000 Ω	pcs.	2	187.65	375.30
5.4.02.03.01.15	Set of tools, instruments and accessories and a compter with software Комплет алата, инструмената, прибора и рачунар са софтвером	set	1	2,501.88	2,501.88
5.4.02.03.01.16	Telephone at the entry signal to be mounted on the signal post	pcs.	12	3,565.17	42,782.04
5.4.02.03.01.17	Telephone at the exit signal to be mounted on the signal post	pcs.	8	3,440.08	27,520.64
5.4.02.03.01.18	LB telephone / wall mount	pcs.	2	809.60	1,619.20
5.4.02.03.01.19	Loud tone bell	pcs.	3	375.36	1,126.08
5.4.02.03.01.20	Auxiliary telephpne 12-lines	pcs.	1	1,376.02	1,376.02
5.4.02.03.01.21	Dispatcher device for the machinery dispatcher	set	1	7,801.60	7,801.60
5.4.02.03.01.22	JH(St)H 2x2x0.8	m	260		

PART-5
NOVI SAD - SUBOTICA
BILL OF QUANTITY
BOOK 5.4
LOCAL CABLE NETWORKS NAD DISPATCHER DEVICES

5.4.02.03.01.23	JH(St)H 10x2x0.8	m			
5.4.02.03.01.24	JH(St)H 20x2x0.8	m	280		
5.4.02.04	**Station dispatcher device Sajlovo**				
5.4.02.04.01	**Material**				
5.4.02 04.01.01	45-pushbuttons console	pcs.	1	4,128.10	4,128.10
5.4.02 04.01.02	Central deivce for 45- key console, 10 CB lines , 2 ATA connections 7 LB connections with 4 call selectors	pcs.	1	29,397.01	29,397.01
5.4.02 04.01.03	Optical transmission deviced comprising optical tranceivers (II window - 1.320 nm), AD-Drop multiplexor, AD/DA converters and interfaces	pcs.	1	26,269.64	26,269.64
5.4.02 04.01.04	4-wire command unit	pcs.		5,941.96	
5.4.02 04.01.05	4-wire selective translator with ca 10 CB connections	pcs.	1	9,947.04	9,947.04
5.4.02 04.01.06	4-wire selective translator for electric traction dispatcher	pcs.	1	4,753.56	4,753.56
5.4.02 04.01.07	Rectifier 230 V/24 V/10 A + sealed accu battery 24 V/120 Ah- poles pd floating potential	pcs.	1	1,876.41	1,876.41
5.4.02 04.01.08	Feeding unit for powering station telephone cabinets (TUS,TIS) - connected to 24 V=	pcs.	1	875.66	875.66
5.4.02 04.01.09	Two-way feeding unit for emote powering of ATB telephone cabinets - connected t0 24 V=	pcs.		875.66	
5.4.02 04.01.10	Transformer T2 600:1.200 Ω	pcs.	3	100.09	300.27
5.4.02 04.01.11	Transformee T3 2.000:5.000 Ω	pcs.	8	187.65	1,501.20
5.4.02 04.01.12	Set of tools, instruments and accessories and a compter with software	pcs.	1	2,501.88	2,501.88
5.4.02 04.01.13	Telephone at the entry signal to be mounted on the signal post	pcs.	8	3,566.15	28,529.20
5.4.02 04.01.14	Telephone at the exit signal to be mounted on the signal post	pcs.	4	3,440.08	13,760.32
5.4.02 04.01.15	Auxiliary telephpne 7-lines	pcs.	1	1,462.80	1,462.80
5.4.02 04.01.16	LB telephone / wall mount	pcs.	1	809.60	809.60
5.4.02 04.01.17	Loud tone bell	pcs.	2	375.36	750.72
5.4.02.04.01.19	JH(St)H 2x2x0.8	m	70		
5.4.02.04.01.20	JH(St)H 10x2x0.8	m	30		
5.4.02.04.01.21	JH(St)H 20x2x0.8	m	35		
5.4.02.05	**Station dispatcher device Rumenka**				
5.4.02.05.01	**Material**				
5.4.02.05.01.01	45-pushbuttons console	pcs.	1	4,128.10	4,128.10
5.4.02.05.01.02	Central deivce for 45- key console, 11 CB lines , 2 ATA connections 7 LB connections with 4 call selectors	pcs.	1	29,397.01	29,397.01
5.4.02.05.01.03	Optical transmission deviced comprising optical tranceivers (II window - 1.320 nm), AD-Drop multiplexor, AD/DA converters and interfaces	pcs.	1	26,269.64	26,269.64
5.4.02.05.01.04	4-wire command unit	pcs.	1	5,941.96	5,941.96
5.4.02.05.01.05	4-wire selective translator with ca 11 CB connections	pcs.	1	11,008.23	11,008.23
5.4.02.05.01.06	4-wire selective translator for electric traction dispatcher	pcs.	1	4,753.56	4,753.56
5.4.02.05.01.07	Rectifier 230 V/24 V/10 A + sealed accu battery 24 V/120 Ah- poles pd floating potential	pcs.	1	1,876.41	1,876.41
5.4.02.05.01.08	Feeding unit for powering station telephone cabinets (TUS,TIS) - connected to 24 V=	pcs.	1	875.66	875.66
5.4.02.05.01.09	Two-way feeding unit for emote powering of ATB telephone cabinets - connected t0 24 V=	pcs.	1	875.66	875.66
5.4.02.05.01.10	Transformer T2 600:1.200 Ω	pcs.	3	99.88	299.64
5.4.02.05.01.11	Transformee T3 2.000:5.000 Ω	pcs.	10	187.65	1,876.50
5.4.02.05.01.12	Set of tools, instruments and accessories and a compter with software	pcs.	1	2,501.88	2,501.88

PART-5
NOVI SAD - SUBOTICA
BILL OF QUANTITY
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LOCAL CABLE NETWORKS NAD DISPATCHER DEVICES

5.4.02.05.01.13	Telephone at the entry signal to be mounted on the signal post	pcs.	6	3,565.17	21,391.02
5.4.02.05.01.14	Telephone at the exit signal to be mounted on the signal post	pcs.	5	3,440.08	17,200.40
5.4.02.05.01.15	Auxiliary telephpne 7-lines	pcs.	1	1,462.80	1,462.80
5.4.02 05.01.16	LB telephone / wall mount	pcs.	1	809.60	809.60
5.4.02 05.01.17	Loud tone bell	pcs.	3	375.36	1,126.08
5.4.02.05.01.18	JH(St)H 2x2x0.8	m	70		
5.4.02.05.01.19	JH(St)H 10x2x0.8	m	30		
5.4.02.05.01.20	JH(St)H 20x2x0.8	m	35		
5.4.02.06	**Station dispatcher device Kisac**				
5.4.02.06.01	**Material**				
5.4.02.06.01.01	45-pushbuttons console	pcs.	1	4,128.10	4,128.10
5.4.02.06.01.02	Central deivce for 45- key console, 11 CB lines , 2 ATA connections 7 LB connections with 4 call selectors	pcs.	1	29,397.01	29,397.01
5.4.02.06.01.03	Optical transmission deviced comprising optical tranceivers (II window - 1.320 nm), AD-Drop multiplexor, AD/DA converters and interfaces	pcs.	1	26,269.64	26,269.64
5.4.02.06.01.04	4-wire command unit	pcs.	1	5,941.96	5,941.96
5.4.02.06.01.05	4-wire selective translator with ca 11 CB connections	pcs.	1	11,008.23	11,008.23
5.4.02.06.01.06	4-wire selective translator for electric traction dispatcher	pcs.	1	4,753.56	4,753.56
5.4.02.06.01.07	Rectifier 230 V/24 V/10 A + sealed accu battery 24 V/120 Ah- poles pd floating potential	pcs.	1	1,876.41	1,876.41
5.4.02.06.01.08	Feeding unit for powering station telephone cabinets (TUS,TIS) - connected to 24 V=	pcs.	1	875.66	875.66
5.4.02.06.01.09	Two-way feeding unit for emote powering of ATB telephone cabinets - connected t0 24 V=	pcs.	1	875.66	875.66
5.4.02.06.01.10	Transformer T2 600:1.200 Ω	pcs.	2	99.88	199.76
5.4.02.06.01.11	Transformee T3 2.000:5.000 Ω	pcs.	10	187.65	1,876.50
5.4.02.06.01.12	Set of tools, instruments and accessories and a compter with software	pcs.	1	2,501.88	2,501.88
5.4.02.06.01.13	Telephone at the entry signal to be mounted on the signal post	pcs.	4	3,565.17	14,260.68
5.4.02.06.01.14	Telephone at the exit signal to be mounted on the signal post	pcs.	4	3,440.08	13,760.32
5.4.02.06.01.15	Auxiliary telephpne 6-lines	pcs.	1	1,462.80	1,462.80
5.4.02.06.01.16	LB telephone / wall mount	pcs.	2	809.60	1,619.20
5.4.02.06.01.17	CB telephone / wall mount	pcs.	1	717.60	717.60
5.4.02.06.01.18	Loud tone bell	pcs.	2	375.36	750.72
5.4.02.06.01.19	JH(St)H 2x2x0.8	m	90		
5.4.02.06.01.20	JH(St)H 10x2x0.8	m	35		
5.4.02.06.01.21	JH(St)H 20x2x0.8	m	40		
5.4.02.07	**Station dispatcher device Stepanovicevo**				
5.4.02.07.01	**Material**				
5.4.02.07.01.01	45-pushbuttons console	pcs.	1	4,128.10	4,128.10
5.4.02.07.01.02	Central deivce for 45- key console, 11 CB lines , 2 ATA connections 6 LB connections with 4 call selectors	pcs.	1	29,397.01	29,397.01
5.4.02.07.01.03	Optical transmission deviced comprising optical tranceivers (II window - 1.320 nm), AD-Drop multiplexor, AD/DA converters and interfaces	pcs.	1	26,269.64	26,269.64
5.4.02.07.01.04	4-wire command unit	pcs.	1	5,942.57	5,942.57
5.4.02.07.01.05	4-wire selective translator with ca 11 CB connections	pcs.	1	10,727.20	10,727.20
5.4.02.07.01.06	4-wire selective translator for electric traction dispatcher	pcs.	1	4,753.56	4,753.56

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NOVI SAD - SUBOTICA
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LOCAL CABLE NETWORKS NAD DISPATCHER DEVICES

5.4.02.07.01.07	Rectifier 230 V/24 V/10 A + sealed accu battery 24 V/120 Ah- poles pd floating potential	pcs.	1	1,876.41	1,876.41
5.4.02.07.01.08	Feeding unit for powering station telephone cabinets (TUS,TIS) - connected to 24 V=	pcs.	1	875.66	875.66
5.4.02.07.01.09	Two-way feeding unit for emote powering of ATB telephone cabinets - connected t0 24 V=	pcs.	1	875.66	875.66
5.4.02.07.01.10	Transformer T2 600:1.200 Ω	pcs.	2	99.88	199.76
5.4.02.07.01.11	Transformee T3 2.000:5.000 Ω	pcs.	10	187.65	1,876.50
5.4.02.07.01.12	Set of tools, instruments and accessories and a compter with software	pcs.	1	2,501.88	2,501.88
5.4.02.07.01.13	Telephone at the entry signal to be mounted on the signal post	pcs.	4	3,565.17	14,260.68
5.4.02.07.01.14	Telephone at the exit signal to be mounted on the signal post	pcs.	4	3,440.08	13,760.32
5.4.02.07.01.15	Auxiliary telephpne 7-lines	pcs.	1	1,462.80	1,462.80
5.4.02.06.01.16	LB telephone / wall mount	pcs.	1	809.60	809.60
5.4.02.06.01.17	Loud tone bell	pcs.	2	375.36	750.72
5.4.02.07.01.18	JH(St)H 2x2x0.8	m	85		
5.4.02.07.01.19	JH(St)H 10x2x0.8	m	30		
5.4.02.07.01.20	JH(St)H 20x2x0.8	m	35		
5.4.02.08	**Station dispatcher device Zmajevo**				
5.4.02.08.01	**Material**				
5.4.0208.01.01	45-pushbuttons console	pcs.	1	4,128.10	4,128.10
5.4.0208.01.02	Central deivce for 45- key console, 8 CB lines , 2 ATA connections 6 LB connections with 4 call selectors	pcs.	1	29,397.01	29,397.01
5.4.0208.01.03	Optical transmission deviced comprising optical tranceivers (II window - 1.320 nm), AD-Drop multiplexor, AD/DA converters and interfaces	pcs.	1	26,269.64	26,269.64
5.4.0208.01.04	4-wire command unit	pcs.	1	5,942.57	5,942.57
5.4.0208.01.05	4-wire selective translator with ca 8 CB connections	pcs.	1	8,776.80	8,776.80
5.4.0208.01.06	4-wire selective translator for electric traction dispatcher	pcs.	1	4,753.56	4,753.56
5.4.0208.01.07	Rectifier 230 V/24 V/10 A + sealed accu battery 24 V/120 Ah- poles pd floating potential	pcs.	1	1,876.41	1,876.41
5.4.0208.01.08	Feeding unit for powering station telephone cabinets (TUS,TIS) - connected to 24 V=	pcs.	1	875.66	875.66
5.4.0208.01.09	Two-way feeding unit for emote powering of ATB telephone cabinets - connected t0 24 V=	pcs.	1	875.66	875.66
5.4.0208.01.10	Transformer T2 600:1.200 Ω	pcs.	2	99.88	199.76
5.4.0208.01.11	Transformee T3 2.000:5.000 Ω	pcs.	10	187.65	1,876.50
5.4.0208.01.12	Set of tools, instruments and accessories and a compter with software	pcs.	1	2,501.88	2,501.88
5.4.0208.01.13	Telephone at the entry signal to be mounted on the signal post	pcs.	4	3,565.17	14,260.68
5.4.0208.01.14	Telephone at the exit signal to be mounted on the signal post	pcs.	4	3,440.08	13,760.32
5.4.0208.01.15	Auxiliary telephpne 7-lines	pcs.	1	1,462.80	1,462.80
5.4.02.06.01.16	LB telephone / wall mount	pcs.	2	809.60	1,619.20
5.4.02.06.01.17	CB telephone / wall mount	pcs.	1	717.60	717.60
5.4.02.06.01.18	Loud tone bell	pcs.	2	375.36	750.72
5.4.02.08.01.19	JH(St)H 2x2x0.8	m	90		
5.4.02.08.01.20	JH(St)H 10x2x0.8	m	35		
5.4.02.08.01.21	JH(St)H 20x2x0.8	m	40		
5.4.02.09	**Station dispatcher device Vrbas Novi**				
5.4.02.09.01	**Material**				
5.4.02.09.01.01	80-pushbuttons console	pcs.	1	5,379.03	5,379.03

PART-5
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BILL OF QUANTITY
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LOCAL CABLE NETWORKS NAD DISPATCHER DEVICES

5.4.02.09.01.02	Central deivce for 45- key console, 12 CB lines , 2 ATA connections 12 LB connections with 9 call selectors	pcs.	1	29,397.01	29,397.01
5.4.02.09.01.03	Optical transmission deviced comprising optical tranceivers (II window - 1.320 nm), AD-Drop multiplexor, AD/DA converters and interfaces	pcs.	1	26,269.64	26,269.64
5.4.02.09.01.04	4-wire command unit	pcs.	1	5,941.96	5,941.96
5.4.02.09.01.05	4-wire selective translator with ca 12 CB connections	pcs.	1	11,008.23	11,008.23
5.4.02.09.01.06	4-wire selective translator for electric traction dispatcher	pcs.	1	4,753.56	4,753.56
5.4.02.09.01.07	Rectifier 230 V/24 V/10 A + sealed accu battery 24 V/120 Ah- poles pd floating potential	pcs.	1	1,876.41	1,876.41
5.4.02.09.01.08	Feeding unit for powering station telephone cabinets (TUS,TIS) - connected to 24 V=	pcs.	1	875.66	875.66
5.4.02.09.01.09	Two-way feeding unit for emote powering of ATB telephone cabinets - connected t0 24 V=	pcs.	1	875.66	875.66
5.4.02.09.01.10	Transformer T2 600:1.200 Ω	pcs.	5	99.88	499.40
5.4.02.09.01.11	Transformee T3 2.000:5.000 Ω	pcs.	13	187.65	2,439.45
5.4.02.09.01.12	Set of tools, instruments and accessories and a compter with software	pcs.	1	2,501.88	2,501.88
5.4.02.09.01.13	Telephone at the entry signal to be mounted on the signal post	pcs.	6	3,566.15	21,396.90
5.4.02.09.01.14	Telephone at the exit signal to be mounted on the signal post	pcs.	6	3,440.08	20,640.48
5.4.02.06.01.16	LB telephone / wall mount	pcs.	2	809.60	1,619.20
5.4.02.06.01.17	Loud tone bell	pcs.	3	375.36	1,126.08
5.4.02.06.01.18	Auxiliary telephpne 7-lines	pcs.	1	1,462.80	1,462.80
5.4.02.06.01.19	Computer based 24 channel voice recorder	pcs.	1	30,840.70	30,840.70
5.4.02.09.01.20	JH(St)H 2x2x0.8	m	50		
5.4.02.09.01.21	JH(St)H 10x2x0.8	m	15		
5.4.02.09.01.22	JH(St)H 20x2x0.8	m	10		
5.4.02.10	**Station dispatcher device Vrbas**				
5.4.02.10.01	**Material**				
5.4.02.10.01.01	27-pushbuttons console	pcs.	1	4,052.47	4,052.47
5.4.02.10.01.02	Central deivce for 27- key console, 5 CB lines , 2 ATA connections 7 LB connections with 4 call selectors	pcs.	1	29,397.01	29,397.01
5.4.02.10.01.03	Optical transmission deviced comprising optical tranceivers (II window - 1.320 nm), AD-Drop multiplexor, AD/DA converters and interfaces	pcs.	1	26,269.64	26,269.64
5.4.02.10.01.04	4-wire command unit	pcs.			
5.4.02.10.01.05	4-wire selective translator with ca 5 CB connections	pcs.	1	6,046.24	6,046.24
5.4.02.10.01.06	4-wire selective translator for electric traction dispatcher	pcs.	1	4,753.56	4,753.56
5.4.02.10.01.07	Rectifier 230 V/24 V/10 A + sealed accu battery 24 V/120 Ah- poles pd floating potential	pcs.	1	1,876.41	1,876.41
5.4.02.10.01.08	Feeding unit for powering station telephone cabinets (TUS,TIS) - connected to 24 V=	pcs.	1	875.66	875.66
5.4.02.10.01.09	Two-way feeding unit for emote powering of ATB telephone cabinets - connected t0 24 V=	pcs.			
5.4.02.10.01.10	Transformer T2 600:1.200 Ω	pcs.	8	99.88	799.04
5.4.02.10.01.11	Transformee T3 2.000:5.000 Ω	pcs.	4	187.65	750.60
5.4.02.10.01.12	Set of tools, instruments and accessories and a compter with software	pcs.	1	2,501.88	2,501.88
5.4.02.10.01.13	Telephone at the entry signal to be mounted on the signal post	pcs.	3	3,565.17	10,695.51
5.4.02.10.01.14	Telephone at the exit signal to be mounted on the signal post	pcs.	2	3,440.08	6,880.16
5.4.02.10.01.15	Auxiliary telephpne 7-lines	pcs.	1	1,462.80	1,462.80

PART-5
NOVI SAD - SUBOTICA
BILL OF QUANTITY
BOOK 5.4
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5.4.02.10.01.16	LB telephone / wall mount	pcs.	2	809.60	1,619.20
5.4.02.10.01.17	Loud tone bell	pcs.	1	375.36	375.36
5.4.02.10.01.18	JH(St)H 2x2x0.8	m	90		
5.4.02.10.01.19	JH(St)H 10x2x0.8	m	35		
5.4.02.10.01.20	JH(St)H 20x2x0.8	m	40		
5.4.02.11	**Station dispatcher device Lovcenac**				
5.4.02.11.01	**Material**				
5.4.02.11.01.01	45-pushbuttons console	pcs.	1	4,128.10	4,128.10
5.4.02.11.01.02	Central deivce for 45- key console, 8 CB lines , 2 ATA connections 6 LB connections with 4 call selectors	pcs.	1	29,397.01	29,397.01
5.4.02.11.01.03	Optical transmission deviced comprising optical tranceivers (II window - 1.320 nm), AD-Drop multiplexor, AD/DA converters and interfaces	pcs.	1	26,269.64	26,269.64
5.4.02.11.01.04	4-wire command unit	pcs.	1	5,942.57	5,942.57
5.4.02.11.01.05	4-wire selective translator with ca 8 CB connections	pcs.	1	8,776.80	8,776.80
5.4.02.11.01.06	4-wire selective translator for electric traction dispatcher	pcs.	1	4,753.56	4,753.56
5.4.02.11.01.07	2/4wirw amplifier	kom.	2	3,127.34	6,254.68
5.4.02.11.01.08	Pulse repeater 5027a	kom.	2	1,782.60	3,565.20
5.4.02.11.01.09	Rectifier 230 V/24 V/10 A + sealed accu battery 24 V/120 Ah- poles pd floating potential	pcs.	1	1,876.41	1,876.41
5.4.02.11.01.10	Feeding unit for powering station telephone cabinets (TUS,TIS) - connected to 24 V=	pcs.	1	875.66	875.66
5.4.02.11.01.11	Two-way feeding unit for emote powering of ATB telephone cabinets - connected t0 24 V=	pcs.	1	875.66	875.66
5.4.02.11.01.12	Transformer T2 600:1.200 Ω	pcs.	10	99.88	998.80
5.4.02.11.01.13	Transformee T3 2.000:5.000 Ω	pcs.	10	187.65	1,876.50
5.4.02.11.01.14	Set of tools, instruments and accessories and a compter with software	pcs.	1	2,501.88	2,501.88
5.4.02.11.01.15	Telephone at the entry signal to be mounted on the signal post	pcs.	4	3,565.17	14,260.68
5.4.02.11.01.16	LB telephone / wall mount	pcs.	2	809.60	1,619.20
5.4.02.11.01.17	CB telephone / wall mount	pcs.	1	717.60	717.60
5.4.02.11.01.18	Loud tone bell	pcs.	2	375.36	750.72
5.4.02.11.01.19	Telephone at the exit signal to be mounted on the signal post	pcs.	4	3,440.08	13,760.32
5.4.02.11.01.20	Auxiliary telephpne 6-lines	pcs.	1	1,462.80	1,462.80
5.4.02.11.01.21	JH(St)H 2x2x0.8	m	90		
5.4.02.11.01.22	JH(St)H 10x2x0.8	m	20		
5.4.02.11.01.23	JH(St)H 20x2x0.8	m	25		
5.4.02.12	**Station dispatcher device Backa Topola**				

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5.4.02.12.01	**Material**				
5.4.02.12.01.01	45-pushbuttons console	pcs.	1	4,128.02	4,128.02
5.4.02.12.01.02	Central deivce for 45- key console, 8 CB lines , 2 ATA connections 6 LB connections with 4 call selectors	pcs.	1	29,397.01	29,397.01
5.4.02.12.01.03	Optical transmission deviced comprising optical tranceivers (II window - 1.320 nm), AD-Drop multiplexor, AD/DA converters and interfaces	pcs.	1	26,269.64	26,269.64
5.4.02.12.01.04	4-wire command unit	pcs.	1	5,942.57	5,942.57
5.4.02.12.01.05	4-wire selective translator with ca 8 CB connections	pcs.	1	8,776.80	8,776.80
5.4.02.12.01.06	4-wire selective translator for electric traction dispatcher	pcs.	1	4,753.56	4,753.56
5.4.02.12.01.07	Rectifier 230 V/24 V/10 A + sealed accu battery 24 V/120 Ah- poles pd floating potential	pcs.	1	1,876.41	1,876.41
5.4.02.12.01.08	Feeding unit for powering station telephone cabinets (TUS,TIS) - connected to 24 V=	pcs.	1	875.66	875.66
5.4.02.12.01.09	Two-way feeding unit for emote powering of ATB telephone cabinets - connected t0 24 V=	pcs.	1	875.66	875.66
5.4.02.12.01.10	Transformer T2 600:1.200 Ω	pcs.	2	99.88	199.76
5.4.02.12.01.11	Transformee T3 2.000:5.000 Ω	pcs.	10	187.65	1,876.50
5.4.02.12.01.12	Set of tools, instruments and accessories and a compter with software	pcs.	1	2,501.88	2,501.88
5.4.02.12.01.13	Telephone at the entry signal to be mounted on the signal post	pcs.	4	3,565.17	14,260.68
5.4.02.12.01.14	Telephone at the exit signal to be mounted on the signal post	pcs.	4	3,440.08	13,760.32
5.4.02.12.01.15	Auxiliary telephpne 7-lines	pcs.	1	1,462.80	1,462.80
5.4.02.12.01.16	LB telephone / wall mount	pcs.	2	809.60	1,619.20
5.4.02.12.01.17	CB telephone / wall mount	pcs.	1	717.60	717.60
5.4.02.12.01.18	Loud tone bell	pcs.	2	375.36	750.72
5.4.02.12.01.19	JH(St)H 2x2x0.8	m	85		
5.4.02.12.01.20	JH(St)H 10x2x0.8	m	20		
5.4.02.12.01.21	JH(St)H 20x2x0.8	m	25		
5.4.02.13	**Station dispatcher device Zednik**				
5.4.02.13.01	**Material**				
5.4.02.13.01.01	45-pushbuttons console	pcs.	1	4,128.10	4,128.10
5.4.02.13.01.02	Central deivce for 45- key console, 8 CB lines , 2 ATA connections 6 LB connections with 4 call selectors	pcs.	1	29,396.43	29,396.43
5.4.02.13.01.03	Optical transmission deviced comprising optical tranceivers (II window - 1.320 nm), AD-Drop multiplexor, AD/DA converters and interfaces	pcs.	1	26,269.64	26,269.64
5.4.02.13.01.04	4-wire command unit	pcs.	1	5,942.57	5,942.57
5.4.02.13.01.05	4-wire selective translator with ca 8 CB connections	pcs.	1	8,776.80	8,776.80
5.4.02.13.01.06	4-wire selective translator for electric traction dispatcher	pcs.	1	4,753.56	4,753.56
5.4.02.13.01.07	Rectifier 230 V/24 V/10 A + sealed accu battery 24 V/120 Ah- poles pd floating potential	pcs.	1	1,876.41	1,876.41
5.4.02.13.01.08	Feeding unit for powering station telephone cabinets (TUS,TIS) - connected to 24 V=	pcs.	1	875.66	875.66
5.4.02.13.01.09	Two-way feeding unit for emote powering of ATB telephone cabinets - connected t0 24 V=	pcs.	1	875.66	875.66
5.4.02.13.01.10	Transformer T2 600:1.200 Ω	pcs.	2	100.37	200.74
5.4.02.13.01.11	Transformee T3 2.000:5.000 Ω	pcs.	10	187.65	1,876.50
5.4.02.13.01.12	Set of tools, instruments and accessories and a compter with software	pcs.	1	2,501.88	2,501.88
5.4.02.13.01.13	Telephone at the entry signal to be mounted on the signal post	pcs.	4	3,565.17	14,260.68

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5.4.02.13.01.14	Telephone at the exit signal to be mounted on the signal post	pcs.	4	3,440.08	13,760.32
5.4.02.13.01.15	Auxiliary telephpne 7-lines	pcs.	1	1,462.80	1,462.80
5.4.02.12.01.16	LB telephone / wall mount	pcs.	2	809.60	1,619.20
5.4.02.13.01.17	CB telephone / wall mount	pcs.	1	717.60	717.60
5.4.02.13.01.17	Loud tone bell	pcs.	2	375.36	750.72
5.4.02.13.01.19	JH(St)H 2x2x0.8	m	90		
5.4.02.13.01.20	JH(St)H 10x2x0.8	m	35		
5.4.02.13.01.21	JH(St)H 20x2x0.8	m	40		
5.4.02.14	**Station dispatcher device Naumovicevo**				
5.4.02.14.01	**Material**				
5.4.02.14.01.01	45-pushbuttons console	pcs.	1	4,128.10	4,128.10
5.4.02.14.01.02	Central deivce for 45- key console, 11 CB lines , 2 ATA connections 7 LB connections with 4 call selectors	pcs.	1	29,397.01	29,397.01
5.4.02.14.01.03	Optical transmission deviced comprising optical tranceivers (II window - 1.320 nm), AD-Drop multiplexor, AD/DA converters and interfaces	pcs.	1	26,269.64	26,269.64
5.4.02.14.01.04	4-wire command unit	pcs.	1	5,942.57	5,942.57
5.4.02.14.01.05	4-wire selective translator with ca 11 CB connections	pcs.	1	10,727.20	10,727.20
5.4.02.14.01.06	4-wire selective translator for electric traction dispatcher	pcs.	1	4,753.56	4,753.56
5.4.02.14.01.07	Rectifier 230 V/24 V/10 A + sealed accu battery 24 V/120 Ah- poles pd floating potential	pcs.	1	1,876.41	1,876.41
5.4.02.14.01.08	Feeding unit for powering station telephone cabinets (TUS,TIS) - connected to 24 V=	pcs.	1	875.66	875.66
5.4.02.14.01.09	Two-way feeding unit for emote powering of ATB telephone cabinets - connected t0 24 V=	pcs.	1	875.66	875.66
5.4.02.14.01.10	Transformer T2 600:1.200 Ω	pcs.	3	100.09	300.27
5.4.02.14.01.11	Transformee T3 2.000:5.000 Ω	pcs.	10	187.65	1,876.50
5.4.02.14.01.12	Set of tools, instruments and accessories and a compter with software	pcs.	1	2,501.88	2,501.88
5.4.02.14.01.13	Telephone at the entry signal to be mounted on the signal post	pcs.	5	3,565.17	17,825.85
5.4.02.14.01.14	Telephone at the exit signal to be mounted on the signal post	pcs.	6	3,440.08	20,640.48
5.4.02.14.01.15	Auxiliary telephpne 7-lines	pcs.	1	1,462.80	1,462.80
5.4.02.14.01.16	LB telephone / wall mount	pcs.	1	809.60	809.60
5.4.02.14.01.17	Loud tone bell	pcs.	3	375.36	1,126.08
5.4.02.14.01.18	JH(St)H 2x2x0.8	m	180		
5.4.02.14.01.19	JH(St)H 10x2x0.8	m	50		
5.4.02.14.01.20	JH(St)H 20x2x0.8	m	55		
5.4.02.15	**Station dispatcher device Subotica**				
5.4.02.15.01	**Material**				
5.4.02.15.01.01	80-pushbuttons console	pcs.	1	5,379.03	5,379.03
5.4.02.15.01.02	Central deivce for 80- key console, 30 CB lines , 2 ATA connections 13 LB connections with 9 call selectors	pcs.	1	29,397.01	29,397.01
5.4.02.15.01.03	Optical transmission deviced comprising optical tranceivers (II window - 1.320 nm), AD-Drop multiplexor, AD/DA converters and interfaces	pcs.	1	26,269.64	26,269.64
5.4.02.15.01.04	4-wire command unit	pcs.	1	5,941.96	5,941.96
5.4.02.15.01.05	4-wire selective translator with ca 17 CB connections	pcs.	1	13,320.26	13,320.26
5.4.02.15.01.06	4-wire selective translator with ca 33 CB connections	pcs.	1	11,702.40	11,702.40
5.4.02.15.01.07	4-wire selective translator for electric traction dispatcher	pcs.	1	4,753.56	4,753.56
5.4.02.15.01.08	Rectifier 230 V/24 V/10 A + sealed accu battery 24 V/120 Ah- poles pd floating potential	pcs.	1	1,876.41	1,876.41

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5.4.02.15.01.09	Feeding unit for powering station telephone cabinets (TUS,TIS) - connected to 24 V=	pcs.	1	875.66	875.66
5.4.02.15.01.10	Two-way feeding unit for emote powering of ATB telephone cabinets - connected t0 24 V=	pcs.	1	875.66	875.66
5.4.02.15.01.11	Transformer T2 600:1.200 Ω	pcs.	12	99.88	1,198.56
5.4.02.15.01.12	Transformee T3 2.000:5.000 Ω	pcs.	7	187.65	1,313.55
5.4.02.15.01.13	Set of tools, instruments and accessories and a compter with software	pcs.	1	2,501.88	2,501.88
5.4.02.15.01.14	Telephone at the entry signal to be mounted on the signal post	pcs.	8	3,565.17	28,521.36
5.4.02.15.01.15	Telephone at the exit signal to be mounted on the signal post (5 exit signal telephones functioning as entry signal telephones)	pcs.	22	3,440.08	75,681.76
5.4.02.15.01.16	LB telephone / wall mount	pcs.	3	809.60	2,428.80
5.4.02.15.01.17	LB telephone / desk top	pcs.	1	809.60	809.60
5.4.02.15.01.18	CB telephone / wall mount	pcs.	1	717.60	717.60
5.4.02.15.01.19	CB telephone / desk top	pcs.	2	717.60	1,435.20
5.4.02.15.01.20	Loud tone bell	pcs.	4	375.36	1,501.44
5.4.02.15.01.21	Auxiliary telephpne 12-lines	pcs.	1	1,560.32	1,560.32
5.4.02.15.01.22	24 channel voice recorder, computer based	pcs.	1	30,840.70	30,840.70
5.4.02.15.01.23	Reduced vrsion of the station device with console, central unit and power supply са ТК пултом - for the external station dispatcher and the dispatcher of the freight station	pcs.	2	29,256.00	58,512.00
5.4.02.15.01.24	JH(St)H 2x2x0.8	m	270		
5.4.02.15.01.25	JH(St)H 10x2x0.8	m	35		
5.4.02.15.01.26	JH(St)H 20x2x0.8	m	40		
5.4.02.16	**Border hut + border SPN**				
5.4.02.16.01	**Material**				
5.4.02.16.01.01	27-pushbuttons console	ком.	1	4,052.47	4,052.47
5.4.02.16.01.02	,Central deivce for 27- key console, 1 CB lines, 5 LB connections with 3 call selectors	ком.	1	29,397.01	29,397.01
5.4.02.16.01.03	Optical transmission deviced comprising optical tranceivers (II window - 1.320 nm), AD-Drop multiplexor, AD/DA converters and interfaces	ком	1	26,269.64	26,269.64
5.4.02.16.01.04	4-wire selective translator for electric traction dispatcher	ком.	1	4,753.56	4,753.56
5.4.02.16.01.05	Indoor cable terminal box KG 10×2 with fuses KG 10×2 with fastening accessories for installation in the border hut	ком.	1	146.28	146.28
5.4.02.16.01.06	Installation gear in the border SPN for installation of a cable twrminal box with fuses and transfprmer	ком.	1	975.20	975.20
5.4.02.16.01.07	Indoor cable terminal box KG 10×2 with fuses KG 10×2	ком.	1	105.01	105.01
5.4.02.16.01.08	Transformer T2 600:1.200 Ω	ком.	6	99.88	599.28
5.4.02.16.01.09	Loud tone bell to be monted on the wall of the border hut	ком.	1	375.28	375.28
5.4.02.16.01.10	LB telephone / wall mount	pcs.	1	809.60	809.60
5.4.02.16.01.11	CB telephone / wall mount	pcs.	1	717.60	717.60
5.4.02.16.01.12	Cable PP 41 2×2,5 mm^2	m	60	2.34	140.40
5.4.02.16.01.13	Cable TK 39 P 3x4x0,8	m	60	1.88	112.80
5.4.02.17	**ATB telephones Novi Sad ß Subotica**				
5.4.17-1	**Subsection Novi Sad - Rumenka**				
5.4.17-1.01	**Material**				
5.4.17-1.01.01	ATB telephpne to be monted on the signaal pole comprising thebdispatcher translator	pcs.	8	7,505.62	60,044.96

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5.4.17-1.01.02	Cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, complete with earthing strand for connection to the closer rail L=5 m/95 mm2, with eyelet Ø10 mm	pcs.	2	1,287.26	2,574.52
5.4.17-1.01.03	Cable terminal box KG 30×2	pcs.	2	218.33	436.66
5.4.17-1.01.04	Strip 10×2 for gel filled cables	pcs.	8	40.72	325.76
5.4.17-1.01.07	Thermoshrinking joint to connect the branch cable of the existing line side cable with the cable TK 59 M 10x4x0,8	pcs.	2	202.84	405.68
5.4.17-2	**Subsection Rumenka - Kisač**				
5.4.17-2.01	**Material**				
5.4.17-2.01.01	ATB telephpne to be monted on the signaal pole comprising thebdispatcher translator	pcs.	8	7,505.62	60,044.96
5.4.17-2.01.02	Cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, complete with earthing strand for connection to the closer rail L=5 m/95 mm2, with eyelet Ø10 mm	pcs.	2	1,287.26	2,574.52
5.4.17-2.01.03	Cable terminal box KG 30×2	pcs.	2	218.33	436.66
5.4.17-2.01.04	Strip 10×2 for gel filled cables	pcs.	8	40.72	325.76
5.4.17-2.01.07	Thermoshrinking joint to connect the branch cable of the existing line side cable with the cable TK 59 M 10x4x0,8	pcs.	2	202.84	405.68
5.4.17-3	**Subsection Kisač - Stepanovićevo**				
5.4.17-3.01	**Material**				
5.4.17-3.01.01	ATB telephpne to be monted on the signaal pole comprising thebdispatcher translator	pcs.	8	7,505.62	60,044.96
5.4.17-3.01.02	Cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, complete with earthing strand for connection to the closer rail L=5 m/95 mm2, with eyelet Ø10 mm	pcs.	2	1,287.26	2,574.52
5.4.17-3.01.03	Cable terminal box KG 30×2	pcs.	2	218.33	436.66
5.4.17-3.01.04	Strip 10×2 for gel filled cables	pcs.	8	40.72	325.76
5.4.17-3.01.07	Thermoshrinking joint to connect the branch cable of the existing line side cable with the cable TK 59 M 10x4x0,8	pcs.	2	202.84	405.68
5.4.17-4	**Subsection Stepanovićevo - Zmajevo**				
5.4.17-4.01	**Material**				
5.4.17-4.01.01	ATB telephpne to be monted on the signaal pole comprising thebdispatcher translator	pcs.	4	7,505.62	30,022.48
5.4.17-4.01.02	Cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, complete with earthing strand for connection to the closer rail L=5 m/95 mm2, with eyelet Ø10 mm	pcs.	1	1,287.26	1,287.26
5.4.17-4.01.03	Cable terminal box KG 30×2	pcs.	1	218.33	218.33
5.4.17-4.01.04	Strip 10×2 for gel filled cables	pcs.	4	40.72	162.88
5.4.17-4.01.07	Thermoshrinking joint to connect the branch cable of the existing line side cable with the cable TK 59 M 10x4x0,8	pcs.	1	202.84	202.84
5.4.17-5	**Subsection Zmajevo - Vrbas Nova**				
5.4.17-5.01	**Material**				
5.4.17-5.01.01	ATB telephpne to be monted on the signaal pole comprising thebdispatcher translator	pcs.	16	7,505.62	120,089.92
5.4.17-5.01.02	Cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, complete with earthing strand for connection to the closer rail L=5 m/95 mm2, with eyelet Ø10 mm	pcs.	4	1,287.26	5,149.04

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5.4.17-5.01.03	Cable terminal box KG 30×2	pcs.	4	218.33	873.32
5.4.17-5.01.04	Strip 10×2 for gel filled cables	pcs.	16	40.72	651.52
5.4.17-5.01.07	Thermoshrinking joint to connect the branch cable of the existing line side cable with the cable TK 59 M 10x4x0,8	pcs.	4	202.84	811.36
5.4.17-6	**Subsection Vrbas Nova - Lovćenac-Mali Iđoš**				
5.4.17-6.01	**Material**				
5.4.17-6.01.01	ATB telephpne to be monted on the signaal pole comprising thebdispatcher translator	pcs.	24	7,505.62	180,134.88
5.4.17-6.01.02	Cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, complete with earthing strand for connection to the closer rail L=5 m/95 mm2, with eyelet Ø10 mm	pcs.	6	1,287.26	7,723.56
5.4.17-6.01.03	Cable terminal box KG 30×2	pcs.	6	218.33	1,309.98
5.4.17-6.01.04	Strip 10×2 for gel filled cables	pcs.	24	40.72	977.28
5.4.17-6.01.07	Thermoshrinking joint to connect the branch cable of the existing line side cable with the cable TK 59 M 10x4x0,8	pcs.	6	202.84	1,217.04
5.4.17-7	**Subsection Lovćenac-Mali Iđoš - Bačka Palanka**				
5.4.17-7.01	**Material**				
5.4.17-7.01.01	ATB telephpne to be monted on the signaal pole comprising thebdispatcher translator	pcs.	20	7,505.62	150,112.40
5.4.17-7.01.02	Cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, complete with earthing strand for connection to the closer rail L=5 m/95 mm2, with eyelet Ø10 mm	pcs.	5	1,287.26	6,436.30
5.4.17-7.01.03	Cable terminal box KG 30×2	pcs.	5	218.33	1,091.65
5.4.17-7.01.04	Strip 10×2 for gel filled cables	pcs.	20	40.72	814.40
5.4.17-7.01.07	Thermoshrinking joint to connect the branch cable of the existing line side cable with the cable TK 59 M 10x4x0,8	pcs.	5	202.84	1,014.20
5.4.17-8	**Subsection Bačka Palanka - Žednik**				
5.4.17-8.01	**Material**				
5.4.17-8.01.01	ATB telephpne to be monted on the signaal pole comprising thebdispatcher translator	pcs.	20	7,505.62	150,112.40
5.4.17-8.01.02	Cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, complete with earthing strand for connection to the closer rail L=5 m/95 mm2, with eyelet Ø10 mm	pcs.	5	1,287.26	6,436.30
5.4.17-8.01.03	Cable terminal box KG 30×2	pcs.	5	218.33	1,091.65
5.4.17-8.01.04	Strip 10×2 for gel filled cables	pcs.	20	40.72	814.40
5.4.17-8.01.07	Thermoshrinking joint to connect the branch cable of the existing line side cable with the cable TK 59 M 10x4x0,8	pcs.	5	202.84	1,014.20
5.4.17-9	**Subsection Žednik - Naumovićevo**				
5.4.17-9.01	**Material**				
5.4.17-9.01.01	ATB telephpne to be monted on the signaal pole comprising thebdispatcher translator	pcs.	12	7,505.62	90,067.44
5.4.17-9.01.02	Cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, complete with earthing strand for connection to the closer rail L=5 m/95 mm2, with eyelet Ø10 mm	pcs.	3	1,287.26	3,861.78
5.4.17-9.01.03	Cable terminal box KG 30×2	pcs.	3	218.33	654.99
5.4.17-9.01.04	Strip 10×2 for gel filled cables	pcs.	12	40.72	488.64

PART-5 NOVI SAD - SUBOTICA BILL OF QUANTITY BOOK 5.4 LOCAL CABLE NETWORKS NAD DISPATCHER DEVICES					
5.4.17-9.01.07	Thermoshrinking joint to connect the branch cable of the existing line side cable with the cable TK 59 M 10x4x0,8	pcs.	3	202.84	608.52
5.4.17-10	**Subsection Naumovićevo - Subotica**				
5.4.17-10.01	**Material**				
5.4.17-10.01.01	ATB telephpne to be monted on the signaal pole comprising thebdispatcher translator	pcs.	12	7,505.62	90,067.44
5.4.17-10.01.02	Cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, complete with earthing strand for connection to the closer rail L=5 m/95 mm2, with eyelet Ø10 mm	pcs.	3	1,287.26	3,861.78
5.4.17-10.01.03	Cable terminal box KG 30×2	pcs.	3	218.33	654.99
5.4.17-10.01.04	Strip 10×2 for gel filled cables	pcs.	12	40.72	488.64
5.4.17-10.01.07	Thermoshrinking joint to connect the branch cable of the existing line side cable with the cable TK 59 M 10x4x0,8	pcs.	3	202.84	608.52
5.4.02.19	**Interface towards the existing RAT exchange**				
5.4.02.19.01	Interface towards the existing RAT exchange - material + works	set	1	4,600.08	4,600.08
	TOTAL(USD):				**3,212,456.55**

PART - 6 NOVI SAD - SUBOTICA BILL OF QUANTITY					
Item	Description	UoM.	Qty	Unit price	TOTAL
				USD	USD
5.4.02	DISPATCHER DEVICES NOVI SAD - SUBOTICA				
5.4.02.01	Central traffic dispatcher Novi Sad - Subotica				
5.4.02.01.02	Works				
5.4.02.01.02.01	Installation, testing and putting into operation of the central dispatcher device	set	1	15,272.40	15,272.40
5.4.02.01.02.02	Dismantling od the existing relay equipment of central traffic dispatcher Novi Sad - Subotica	set	1	536.36	536.36
5.4.02.01.02.03	Installation design	set	1	1,755.36	1,755.36
5.4.02.01.02.04	As-Built Documentation with operation instructions	set	1	487.60	487.60
	Central traffic dispatcher Novi Sad - Subotica - works				-
5.4.02.02	Central electric traction dispatcher Novi sad - Indjija and Novi Sad - Subotica				-
5.4.02.02.02	Works				-
5.4.02.02.02.01	Installation, testing and putting into operation of the central dispatcher device	set	1	17,014.08	17,014.08
5.4.02.02.02.02	Dismantling od the existing relay equipment of central elecric traction dispatcher Novi Sad - Indjija and Novi Sad - Subotica	set	1	536.36	536.36
5.4.02.02.02.03	Installation design	set	1	1,755.36	1,755.36
5.4.02.02.02.04	As-Built Documentation with operation instructions	set	1	487.60	487.60
	Central electric traction dispatcher Novi sad - Indjija and Novi Sad - Subotica - works				-
					-
5.4.02.03	Station dispatcher device Novi Sad				-
5.4.02.03.02	Works				-
5.4.02.03.02.02	Installation of complete station equipment and accessories, together with cabling and wiring	set	1	33,331.66	33,331.66
5.4.02.03.02.03	Installation of a telephone set at the entry and exit signals, with introduction and placing the wires of TK 59 M cable	pcs.	20	310.11	6,202.20
5.4.02.03.02.04	Installation design	set	1	2,242.96	2,242.96
5.4.02.03.02.05	Measuring, testing and commissioning	set	1	5,578.14	5,578.14
5.4.02.03.02.06	As-Built Documentation with operation and maintenance instructions	set	1	536.36	536.36
5.4.02.03.02.07	Laying of cable JH(St)H	m	540	0.83	448.20
	Station dispatcher device Novi Sad - works				-
5.4.02.04	Station dispatcher device Sajlovo				-
5.4.02.04.02	Works				-
5.4.02.04.02.02	Installation of complete station equipment and accessories, together with cabling and wiring	set	1	16,626.46	16,626.46
5.4.02.04.02.03	Installation of a telephone set at the entry and exit signals, with introduction and placing the wires of TK 59 M cable	set	12	310.11	3,721.32
5.4.02.04.02.04	Installation design	set	1	2,145.44	2,145.44
5.4.02.04.02.05	Measuring, testing and commissioning	set	1	4,778.48	4,778.48
5.4.02.04.02.06	As-Built Documentation with operation and maintenance instructions	set	1	536.36	536.36
5.4.02.04.02.07	Laying of cable JH(St)H	m	135	0.83	112.05
	Station dispatcher device Sajlovo - радови				-
5.4.02.05	Station dispatcher device Rumenka				-
5.4.02.05.02	Works				-
5.4.02.05.02.02	Installation of complete station equipment and accessories, together with cabling and wiring	set	1	20,786.85	20,786.85
5.4.02.05.02.03	Installation of a telephone set at the entry and exit signals, with introduction and placing the wires of TK 59 M cable	set	11	310.11	3,411.21
5.4.02.05.02.04	Installation design	set	1	2,145.44	2,145.44
5.4.02.05.02.05	Measuring, testing and commissioning	set	1	4,290.88	4,290.88
5.4.02.05.02.06	As-Built Documentation with operation and maintenance instructions	set	1	536.36	536.36
5.4.02.05.02.07	Laying of cable JH(St)H	m	135	0.83	112.05
	Station dispatcher device Rumenka - works				-

5.4.02.06	Station dispatcher device Kisac				-
5.4.02.06.02	Works				-
5.4.02.06.02.02	Installation of complete station equipment and accessories, together with cabling and wiring	set	1	18,160.30	18,160.30
5.4.02.06.02.03	Installation of a telephone set at the entry and exit signals, with introduction and placing the wires of TK 59 M cable	set	8	310.11	2,480.88
5.4.02.06.02.04	Installation design	set	1	2,145.44	2,145.44
5.4.02.06.02.05	Measuring, testing and commissioning	set	1	4,290.88	4,290.88
5.4.02.06.02.06	As-Built Documentation with operation and maintenance instructions	set	1	536.36	536.36
5.4.02.06.02.07	Laying of cable JH(St)H	m	165	0.83	136.95
	Station dispatcher device Kisac - works				-
5.4.02.07	Station dispatcher device Stepanovicevo				-
5.4.02.07.02	Works				-
5.4.02.07.02.02	Installation of complete station equipment and accessories, together with cabling and wiring	set	1	18,168.10	18,168.10
5.4.02.07.02.03	Installation of a telephone set at the entry and exit signals, with introduction and placing the wires of TK 59 M cable	set	8	310.11	2,480.88
5.4.02.07.02.04	Installation design	set	1	2,145.44	2,145.44
5.4.02.07.02.05	Measuring, testing and commissioning	set	1	4,290.88	4,290.88
5.4.02.07.02.06	As-Built Documentation with operation and maintenance instructions	set	1	487.60	487.60
5.4.02.07.02.07	Laying of cable JH(St)H	m	150	0.83	124.50
	Station dispatcher device Stepanovicevo - works				-
5.4.02.08	Station dispatcher device Zmajevo				-
5.4.02.08.02	Works				-
5.4.02.08.02.02	Installation of complete station equipment and accessories, together with cabling and wiring	set	1	17,543.98	17,543.98
5.4.02.08.02.03	Installation of a telephone set at the entry and exit signals, with introduction and placing the wires of TK 59 M cable	set	8	310.11	2,480.88
5.4.02.08.02.04	Installation design	set	1	2,145.44	2,145.44
5.4.02.08.02.05	Measuring, testing and commissioning	set	1	4,290.88	4,290.88
5.4.02.08.02.06	As-Built Documentation with operation and maintenance instructions	set	1	487.60	487.60
5.4.02.08.02.07	Laying of cable JH(St)H	m	165	0.83	136.95
	Station dispatcher device Zmajevo - works				-
5.4.02.09	Station dispatcher device Vrbas Novi				-
5.4.02.09.02	Works				-
5.4.02.09.02.02	Installation of complete station equipment and accessories, together with cabling and wiring	set	1	22,593.66	22,593.66
5.4.02.09.02.03	Installation of a telephone set at the entry and exit signals, with introduction and placing the wires of TK 59 M cable	set	12	310.11	3,721.32
5.4.02.09.02.04	Installation design	set	1	2,438.00	2,438.00
5.4.02.09.02.05	Measuring, testing and commissioning	set	1	4,876.00	4,876.00
5.4.02.09.02.06	As-Built Documentation with operation and maintenance instructions	set	1	487.60	487.60
5.4.02.09.02.07	Laying of cable JH(St)H	m	75	0.84	63.00
	Station dispatcher device Vrbas Novi - works				-
5.4.02.10	Station dispatcher device Vrbas				-
5.4.02.10.02	Works				-
5.4.02.10.02.02	Installation of complete station equipment and accessories, together with cabling and wiring	set	1	10,195.49	10,195.49
5.4.02.10.02.03	Installation of a telephone set at the entry and exit signals, with introduction and placing the wires of TK 59 M cable	set	5	310.11	1,550.55
5.4.02.10.02.04	Installation design	set	1	2,145.44	2,145.44
5.4.02.10.02.05	Measuring, testing and commissioning	set	1	3,900.80	3,900.80
5.4.02.10.02.06	As-Built Documentation with operation and maintenance instructions	set	1	487.60	487.60
5.4.02.10.02.07	Laying of cable JH(St)H	m	165	0.83	136.95
	Station dispatcher device Vrbas - works				-
5.4.02.11	Station dispatcher device Lovcenac				-
5.4.02.11.02	Works				-
5.4.02.11.02.02	Installation of complete station equipment and accessories, together with cabling and wiring	set	1	22,014.75	22,014.75

5.4.02.11.02.03	Installation of a telephone set at the entry and exit signals, with introduction and placing the wires of TK 59 M cable	set	8	310.11	2,480.88
5.4.02.11.02.04	Installation design	set	1	2,145.44	2,145.44
5.4.02.11.02.05	Measuring, testing and commissioning	set	1	4,290.88	4,290.88
5.4.02.11.02.06	As-Built Documentation with operation and maintenance instructions	set	1	487.60	487.60
5.4.02.11.02.07	Laying of cable JH(St)H	m	135	0.83	112.05
	Station dispatcher device Lovcenac - works				-
5.4.02.12	Station dispatcher device Backa Topola				-
5.4.02.12.02	Works				-
5.4.02.12.02.02	Installation of complete station equipment and accessories, together with cabling and wiring	set	1	17,543.98	17,543.98
5.4.02.12.02.03	Installation of a telephone set at the entry and exit signals, with introduction and placing the wires of TK 59 M cable	set	8	310.11	2,480.88
5.4.02.12.02.04	Installation design	set	1	2,145.44	2,145.44
5.4.02.12.02.05	Measuring, testing and commissioning	set	1	4,290.88	4,290.88
5.4.02.12.02.06	As-Built Documentation with operation and maintenance instructions	set	1	487.60	487.60
5.4.02.12.02.07	Laying of cable JH(St)H	m	130	0.83	107.90
	Station dispatcher device Backa Topola - works				-
5.4.02.13	Station dispatcher device Zednik				-
5.4.02.13.02	Works				-
5.4.02.13.02.02	Installation of complete station equipment and accessories, together with cabling and wiring	set	1	17,544.86	17,544.86
5.4.02.13.02.03	Installation of a telephone set at the entry and exit signals, with introduction and placing the wires of TK 59 M cable	set	8	310.11	2,480.88
5.4.02.13.02.04	Installation design	set	1	2,145.44	2,145.44
5.4.02.13.02.05	Measuring, testing and commissioning	set	1	4,290.88	4,290.88
5.4.02.13.02.06	As-Built Documentation with operation and maintenance instructions	set	1	487.60	487.60
5.4.02.13.02.07	Полагање кабла JH(St)H	m	165	0.83	136.95
	Station dispatcher device Zednik - works				-
5.4.02.14	Station dispatcher device Naumovicevo				-
5.4.02.14.02	Works				-
5.4.02.14.02.02	Installation of complete station equipment and accessories, together with cabling and wiring	set	1	19,682.09	19,682.09
5.4.02.14.02.03	Installation of a telephone set at the entry and exit signals, with introduction and placing the wires of TK 59 M cable	set	11	310.11	3,411.21
5.4.02.14.02.04	Installation design	set	1	2,145.44	2,145.44
5.4.02.14.02.05	Measuring, testing and commissioning	set	1	4,290.88	4,290.88
5.4.02.14.02.06	As-Built Documentation with operation and maintenance instructions	set	1	487.60	487.60
5.4.02.14.02.07	Полагање кабла JH(St)H	m	285	0.83	236.55
	Station dispatcher device Naumovicevo - works				-
5.4.02.15	Station dispatcher device Subotica				-
5.4.02.15.02	Works				-
5.4.02.15.02.02	Installation of complete station equipment and accessories, together with cabling and wiring	set	1	29,256.00	29,256.00
5.4.02.15.02.03	Installation of the reduced version of the statiojn device	set	2	14,628.00	29,256.00
5.4.02.15.02.04	Installation of a telephone set at the entry and exit signals, with introduction and placing the wires of TK 59 M cable	set	30	310.11	9,303.30
5.4.02.15.02.05	Installation design	set	1	2,438.00	2,438.00
5.4.02.15.02.06	Measuring, testing and commissioning	set	1	4,876.00	4,876.00
5.4.02.15.02.07	As-Built Documentation with operation and maintenance instructions	set	1	536.36	536.36
5.4.02.15.02.08	Полагање кабла JH(St)H	m	345	0.83	286.35
	Station dispatcher device Subotica - works				-
5.4.02.16	Border hut + border SPN				-
5.4.02.16.02	Works				-
5.4-02.16.02.01	Installation of the compelete equipent and accessories, wiring and cabling	ком.	1	8,971.84	8,971.84
5.4-02.16.02.02	Installation of the cable terminal box KG 10×2 with fuses	ком.	2	50.71	101.42
5.4-02.16.02.03	Opening and closing of the cable trough	m	40	10.73	429.20

5.4-02.16.02.04	Laying , introduction and splicing of the cables TK 39 P and PP 41	m	120	2.76	331.20
5.4-02.16.02.05	Installation design	кпл.	1	1,755.36	1,755.36
5.4-02.16.02.06	Measuring, testing and commissioning	кпл.	1	3,510.72	3,510.72
5.4-02.16.02.07	As-Built Documentation	кпл.	1	487.60	487.60
	Border hut + border SPN - works				-
					-
5.4.02.17	ATB telephones Novi Sad ß Subotica				-
5.4.17-1	Subsection Novi Sad - Rumenka				-
5.4.17-1.02	Works				-
5.4.17-1.02.01	Installation of the ATB telephones on the signal pole	pcs.	8	750.62	6,004.96
5.4.17-1.02.02	Installation od the cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, introduction and connection of the cables TK 59 M 15×4×0,8 and TK 59 M 5×4×0,8 and connection of earthing strand	pcs.	2	375.28	750.56
5.4.17-1.02.03	Dismantling and storing of existing telephones	pcs.	4	195.04	780.16
5.4.17-1.02.04	Installation of the thermoshrinking joint between the branch cable of the line side cable and the cable TK 59 M 15×4×0,8	pcs.	2	216.38	432.76
5.4.17-1.02.05	Opening and closing of the cable trough	m	1050	10.73	11,266.50
5.4.17-1.02.06	Laying TK 39 P	m	1050	1.10	1,155.00
5.4.17-1.02.07	Installation design	set	2	155.10	310.20
5.4.17-1.02.08	Measuring, testing and commissioning	set	2	1,952.35	3,904.70
5.4.17-1.02.09	As-Built Documentation	set	2	72.22	144.44
	ATB telephones Novi Sad - Rumenka - works				-
5.4.17-2	Subsection Rumenka - Kisač				-
5.4.17-2.02	Works				-
5.4.17-1.02.01	Installation of the ATB telephones on the signal pole	pcs.	8	750.62	6,004.96
5.4.17-1.02.02	Installation od the cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, introduction and connection of the cables TK 59 M 15×4×0,8 and TK 59 M 5×4×0,8 and connection of earthing strand	pcs.	2	375.28	750.56
5.4.17-1.02.03	Dismantling and storing of existing telephones	pcs.	4	195.04	780.16
5.4.17-1.02.04	Installation of the thermoshrinking joint between the branch cable of the line side cable and the cable TK 59 M 15×4×0,8	pcs.	2	216.38	432.76
5.4.17-1.02.05	Opening and closing of the cable trough	m	840	10.73	9,013.20
5.4.17-1.02.06	Laying TK 39 P	m	840	1.10	924.00
5.4.17-1.02.07	Installation design	set	2	155.10	310.20
5.4.17-1.02.08	Measuring, testing and commissioning	set	2	1,952.35	3,904.70
5.4.17-1.02.09	As-Built Documentation	set	2	72.22	144.44
	ATB telephones Rumenka - Kisač - works				-
5.4.17-3	Subsection Kisač - Stepanovićevo				-
5.4.17-3.02	Works				-
5.4.17-3.02.01	Installation of the ATB telephones on the signal pole	pcs.	8	750.62	6,004.96
5.4.17-3.02.02	Installation od the cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, introduction and connection of the cables TK 59 M 15×4×0,8 and TK 59 M 5×4×0,8 and connection of earthing strand	pcs.	2	375.28	750.56
5.4.17-3.02.03	Dismantling and storing of existing telephones	pcs.	6	195.04	1,170.24
5.4.17-3.02.04	Installation of the thermoshrinking joint between the branch cable of the line side cable and the cable TK 59 M 15×4×0,8	pcs.	2	216.38	432.76
5.4.17-3.02.05	Opening and closing of the cable trough	m	840	10.73	9,013.20
5.4.17-3.02.06	Laying TK 39 P	m	840	1.10	924.00
5.4.17-3.02.07	Installation design	set	2	155.10	310.20
5.4.17-3.02.08	Measuring, testing and commissioning	set	2	1,952.35	3,904.70
5.4.17-3.02.09	As-Built Documentation	set	2	72.22	144.44
	ATB telephones Kisač - Stepanovićevo - works				-
5.4.17-4	Subsection Stepanovićevo - Zmajevo				-
5.4.17-4.02	Works				-
5.4.17-4.02.01	Installation of the ATB telephones on the signal pole	pcs.	4	750.62	3,002.48

5.4.17-4.02.02	Installation od the cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, introduction and connection of the cables TK 59 M 15×4×0,8 and TK 59 M 5×4×0,8 and connection of earthing strand	pcs.	1	375.28	375.28
5.4.17-4.02.03	Dismantling and storing of existing telephones	pcs.	2	195.04	390.08
5.4.17-4.02.04	Installation of the thermoshrinking joint between the branch cable of the line side cable and the cable TK 59 M 15×4×0,8	pcs.	1	216.38	216.38
5.4.17-4.02.05	Opening and closing of the cable trough	m	420	10.73	4,506.60
5.4.17-4.02.06	Laying TK 39 P	m	420	1.10	462.00
5.4.17-4.02.07	Installation design	set	1	155.10	155.10
5.4.17-4.02.08	Measuring, testing and commissioning	set	1	1,952.35	1,952.35
5.4.17-4.02.09	As-Built Documentation	set	1	72.22	72.22
	ATB telephones Stepanovićevo - Zmajevo - works				-
5.4.17-5	Subsection Zmajevo - Vrbas Nova				-
5.4.17-5.02	Works				-
5.4.17-5.02.01	Installation of the ATB telephones on the signal pole	pcs.	16	750.62	12,009.92
5.4.17-5.02.02	Installation od the cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, introduction and connection of the cables TK 59 M 15×4×0,8 and TK 59 M 5×4×0,8 and connection of earthing strand	pcs.	4	375.28	1,501.12
5.4.17-5.02.03	Dismantling and storing of existing telephones	pcs.	10	195.04	1,950.40
5.4.17-5.02.04	Installation of the thermoshrinking joint between the branch cable of the line side cable and the cable TK 59 M 15×4×0,8	pcs.	4	216.38	865.52
5.4.17-5.02.05	Opening and closing of the cable trough	m	1680	10.73	18,026.40
5.4.17-5.02.06	Laying TK 39 P	m	1680	1.10	1,848.00
5.4.17-5.02.07	Installation design	set	4	155.10	620.40
5.4.17-5.02.08	Measuring, testing and commissioning	set	4	1,952.35	7,809.40
5.4.17-5.02.09	As-Built Documentation	set	4	72.22	288.88
	ATB telephones Zmajevo - Vrbas Nova - works				-
5.4.17-6	Subsection Vrbas Nova - Lovćenac-Mali Iđoš				-
5.4.17-6.02	Works				-
5.4.17-6.02.01	Installation of the ATB telephones on the signal pole	pcs.	24	750.62	18,014.88
5.4.17-6.02.02	Installation od the cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, introduction and connection of the cables TK 59 M 15×4×0,8 and TK 59 M 5×4×0,8 and connection of earthing strand	pcs.	6	375.28	2,251.68
5.4.17-6.02.03	Dismantling and storing of existing telephones	pcs.	14	195.04	2,730.56
5.4.17-6.02.04	Installation of the thermoshrinking joint between the branch cable of the line side cable and the cable TK 59 M 15×4×0,8	pcs.	6	216.38	1,298.28
5.4.17-6.02.05	Opening and closing of the cable trough	m	2520	10.73	27,039.60
5.4.17-6.02.06	Laying TK 39 P	m	2520	1.10	2,772.00
5.4.17-6.02.07	Installation design	set	6	155.10	930.60
5.4.17-6.02.08	Measuring, testing and commissioning	set	6	1,952.35	11,714.10
5.4.17-6.02.09	As-Built Documentation	set	6	72.22	433.32
	ATB telephones Vrbas Nova - Lovćenac-Mali Iđoš - works				-
5.4.17-7	Subsection Lovćenac-Mali Iđoš - Bačka Palanka				-
5.4.17-7.02	Works				-
5.4.17-7.02.01	Installation of the ATB telephones on the signal pole	pcs.	20	750.62	15,012.40
5.4.17-7.02.02	Installation od the cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, introduction and connection of the cables TK 59 M 15×4×0,8 and TK 59 M 5×4×0,8 and connection of earthing strand	pcs.	5	375.28	1,876.40
5.4.17-7.02.03	Dismantling and storing of existing telephones	pcs.	12	195.04	2,340.48

5.4.17-7.02.04	Installation of the thermoshrinking joint between the branch cable of the line side cable and the cable TK 59 M 15×4×0,8	pcs.	5	216.38	1,081.90
5.4.17-7.02.05	Opening and closing of the cable trough	m	2100	10.73	22,533.00
5.4.17-7.02.06	Laying TK 39 P	m	2100	1.10	2,310.00
5.4.17-7.02.07	Installation design	set	5	155.10	775.50
5.4.17-7.02.08	Measuring, testing and commissioning	set	5	1,952.35	9,761.75
5.4.17-7.02.09	As-Built Documentation	set	5	72.22	361.10
	ATB telephones Lovćenac-Mali Iđoš - Bačka Palanka - works				-
5.4.17-8	Subsection Bačka Palanka - Žednik				-
5.4.17-8.02	Works				-
5.4.17-8.02.01	Installation of the ATB telephones on the signal pole	pcs.	20	750.62	15,012.40
5.4.17-8.02.02	Installation od the cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, introduction and connection of the cables TK 59 M 15×4×0,8 and TK 59 M 5×4×0,8 and connection of earthing strand	pcs.	5	375.28	1,876.40
5.4.17-8.02.03	Dismantling and storing of existing telephones	pcs.	12	195.04	2,340.48
5.4.17-8.02.04	Installation of the thermoshrinking joint between the branch cable of the line side cable and the cable TK 59 M 15×4×0,8	pcs.	5	216.38	1,081.90
5.4.17-8.02.05	Opening and closing of the cable trough	m	2100	10.73	22,533.00
5.4.17-8.02.06	Laying TK 39 P	m	2100	1.10	2,310.00
5.4.17-8.02.07	Installation design	set	5	155.10	775.50
5.4.17-8.02.08	Measuring, testing and commissioning	set	5	1,952.35	9,761.75
5.4.17-8.02.09	As-Built Documentation	set	5	72.22	361.10
	ATB telephones Bačka Palanka - Žednik - works				-
5.4.17-9	Subsection Žednik - Naumovićevo				-
5.4.17-9.02	Works				-
5.4.17-9.02.01	Installation of the ATB telephones on the signal pole	pcs.	12	750.62	9,007.44
5.4.17-9.02.02	Installation od the cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, introduction and connection of the cables TK 59 M 15×4×0,8 and TK 59 M 5×4×0,8 and connection of earthing strand	pcs.	3	375.28	1,125.84
5.4.17-9.02.03	Dismantling and storing of existing telephones	pcs.	8	195.04	1,560.32
5.4.17-9.02.04	Installation of the thermoshrinking joint between the branch cable of the line side cable and the cable TK 59 M 15×4×0,8	pcs.	3	216.38	649.14
5.4.17-9.02.05	Opening and closing of the cable trough	m	1260	10.73	13,519.80
5.4.17-9.02.06	Laying TK 39 P	m	1260	1.10	1,386.00
5.4.17-9.02.07	Installation design	set	3	155.10	465.30
5.4.17-9.02.08	Measuring, testing and commissioning	set	3	1,952.35	5,857.05
5.4.17-9.02.09	As-Built Documentation	set	3	72.22	216.66
	ATB telephones Žednik - Naumovićevo - works				-
5.4.17-10	Subsection Naumovićevo - Subotica				-
5.4.17-10.02	Works				-
5.4.17-10.02.01	Installation of the ATB telephones on the signal pole	pcs.	12	750.62	9,007.44
5.4.17-10.02.02	Installation od the cabinet comprising the cable terminal box KG 30×2 and cable strips with foundation, introduction and connection of the cables TK 59 M 15×4×0,8 and TK 59 M 5×4×0,8 and connection of earthing strand	pcs.	3	375.28	1,125.84
5.4.17-10.02.03	Dismantling and storing of existing telephones	pcs.	8	195.04	1,560.32
5.4.17-10.02.04	Installation of the thermoshrinking joint between the branch cable of the line side cable and the cable TK 59 M 15×4×0,8	pcs.	3	216.38	649.14
5.4.17-10.02.05	Opening and closing of the cable trough	m	1260	10.73	13,519.80
5.4.17-10.02.06	Laying TK 39 P	m	1260	1.10	1,386.00
5.4.17-10.02.07	Installation design	set	3	155.10	465.30
5.4.17-10.02.08	Measuring, testing and commissioning	set	3	1,952.35	5,857.05
5.4.17-10.02.09	As-Built Documentation	set	3	72.22	216.66
	ATB telephones Naumovićevo - Subotica - works				
	Total 5.4.7. ATB telephones Novi Sad - Subotica $				
				TOTAL(USD):	**860,572.93**

PART - 8
EXISTING RADIO DISPATCHING SYSTEM (RDV)

No.	Contents	System	Type	pcs	Num	Unit-Price (USD)	Price (USD)
1	Trackside radio station with all nessesary equipment (antennas, distributor, cables with connectors, rack, rectifier, batteries, additional equipment,...)	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Material	set	8.00	48,454.56	387,636.48
2	Central equinment with all nessesary equipment (rack, server, media convertor, 4-channel recording system,work station, rectifier, batteries, additional equipment, ...), adeqate software (adjusted based on the railway company demands), licences,...	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Material	set	1.00	164,496.00	164,496.00
3	Standard concrete housing unit for trackside radio station with foundation and additional materiala nad installation	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Material	set	2.00	6,094.08	12,188.16
4	RDV wireless sysytem einforcement	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Material	set	1.00	4,600.00	4,600.00
5	Dismantling the equipment of existing trackside radio-stations (devices, cables, antennas, additional equippment...) and hand over to the Investor in the present state, on set location	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Works	set	6.00	662.40	3,974.40
6	Dismantling the housing for the trackside radio-station and hand over to the Investor in the present state, on set location	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Works	set	1.00	1,192.32	1,192.32
7	Dismantling the equipment of existing analog radio central equipment (devices, cables, antennas, additional equippment...) and hand over to the Investor in the present state, on set location	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Works	set	1.00	1,104.00	1,104.00
8	Installation of the standard concrete housing unit for trackside radio station with foundation and additional materiala nad installation	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Works	set	2.00	1,258.56	2,517.12
9	Preparation of the Study of the railway coverage by the electromagnetic field of the locomotive radio dispatching system	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Works	set	1.00	9,200.00	9,200.00
10	Theoretical calculation of EM fields for determining the locations of radio stations of an analog radio system	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Works	set	1.00	4,600.00	4,600.00
11	EM field measurement for determining the locations of radio stations of an analog radio system	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Works	set	1.00	11,040.00	11,040.00
12	Installation and connection of the equipment of the system	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Works	set	1.00	24,840.00	24,840.00
13	Commissioning of all equipment (basic functionality with check of all points of the network)	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Works	set	1.00	6,568.80	6,568.80
14	Integration of equipment (basic functionality with check of all points of the network) and testing for the Owner /Investor's basic acceptance - for the entire section	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Works	set	1.00	5,464.80	5,464.80
15	Optimization & Additional features integration	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Works	set	1.00	2,760.00	2,760.00
16	Global Acceptance & Verification - for the whole line	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Works	set	1.00	920.00	920.00
17	User training (for the entire section)	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Works	set	1.00	1,840.00	1,840.00
18	Designing and preparation of documentation (for the entire section, including the as-built documentation)	EXISTING RADIO DISPATCHING SYSTEM (RDV)	Works	set	1.00	3,680.00	3,680.00
						TOTAL(USD):	**648,622.08**